BAKER COLLEGE
STUDENT LEARNING OUTCOMES

MNP2050 Server I
3 Semester Hours

Student Learning Outcomes & Enabling Objectives

1. Demonstrate comprehension of operating system theory and implementation. Understand OS internals to design and implement significant architectural changes to an existing OS.
   a. Configure various Microsoft OS's and related applications
   b. Configure various Linux OS's and related applications
2. Implement steps necessary for hardening an OS with respect to various applications.
   a. Install OS and remove/shut down unnecessary components and services, ports, and ensure patches and updates are applied.
   b. Secure applications using firewalls and application hardening tactics
3. Execute skills necessary to perform basic operations involved in system administration of server operating systems.
   a. Configure user accounts, authentication policies, audit capabilities
   b. Design backup, update, and security log procedures
4. Identify the roles and basic functions of an operating system and how operating systems interact with hardware and software applications
   a. Demonstrate fundamental security principles as applied to an OS
   b. Identify Access control models and mechanisms related to an OS

CAE-CD Foundational: IT Systems Components (ISC)

CAE-CD Technical Core: Operating Systems Concepts (OSC)

These SLOs are approved for experiential credit.

Effective: Fall 2020